

What Is Claimed Is:

1. A laminate composition comprising a laminate of a thin sheet of polyethylene foam and a thin layer film of polyethylene.
2. The laminate composition of Claim 1 wherein the polyethylene film and the polyethylene foam sheet are adhered together.
3. The laminate composition of Claim 2 wherein the polyethylene film is composed of low density polyethylene, the polyethylene foam sheet is composed of low density polyethylene, and the polyethylene film and the polyethylene foam sheet are adhered together by a layer of low density polyethylene.
4. The laminate composition of Claim 3 wherein the polyethylene foam sheet has a density of about 1.9 pcf to about 2.2 pcf.
5. The laminate composition of Claim 1 wherein the polyethylene film is composed of low density polyethylene.
6. The laminate composition of Claim 5 wherein the polyethylene film has a thickness of about 5 mils.
7. The laminate composition of Claim 1 wherein the polyethylene foam sheet is composed of low density polyethylene.
8. The laminate composition of Claim 7 wherein the polyethylene foam sheet has a low density.
9. The laminate composition of Claim 8 wherein the polyethylene foam sheet has a density of about 1.9 pcf to about 2.2 pcf.
10. The laminate composition of Claim 10 wherein the polyethylene foam sheet has a thickness of about 0.075 inch.

11. A process of preparing a laminate composition, comprising bringing together a moving continuous web of a thin sheet of polyethylene foam and a moving continuous web of a thin film of polyethylene, an adhesive being applied to the facing surfaces of the moving webs at the point of contact between the moving webs, sufficient pressure being applied by two opposing rollers to the contacting webs at the point of contact of the moving webs to achieve the laminate composition.

12. The process of Claim 11 wherein the moving continuous web of thin polyethylene foam sheet is formed by extrusion, passed through at least one oven, and, while being at a temperature between 350°F and 500°F, brought into contact with the moving continuous web of thin polyethylene film, and wherein the rollers are chilling rollers.

13. The process of Claim 12 wherein the moving continuous webs move downward and, before contacting each other, are oriented at opposing slight angles to the vertical, and wherein the adhesive is in a liquid form and is dropped into the point of contact of the moving webs.

14. The process of Claim 13 wherein the liquid adhesive is molten low density polyethylene, wherein the web of polyethylene foam sheet is composed of low density polyethylene, and wherein the web of polyethylene film is composed of low density polyethylene.

15. A laminate composition comprising a laminate of a sheet of polyethylene foam and a thin film of polyethylene, one edge of the polyethylene film extending beyond the corresponding edge of the polyethylene foam sheet.

16. The laminate composition of Claim 15 wherein the polyethylene film and the polyethylene foam sheet are adhered together.

17. The laminate composition of Claim 16 wherein the polyethylene film is composed of low density polyethylene, the polyethylene foam sheet is composed of low density polyethylene, and the polyethylene film and the polyethylene foam sheet are adhered together by a layer of low density polyethylene.

18. The laminate composition of Claim 17 wherein the polyethylene foam sheet has a density of about 1.9 pcf to about 2.2 pcf.

19. The laminate composition of Claim 15 wherein the polyethylene film is composed of low density polyethylene.

20. The laminate composition of Claim 16 wherein the polyethylene film has a thickness of about 5 mils.

21. The laminate composition of Claim 15 wherein the polyethylene foam sheet is composed of low density polyethylene.

22. The laminate composition of Claim 21 wherein the polyethylene foam sheet has a low density.

23. The laminate composition of Claim 21 wherein the polyethylene foam sheet has a density of about 1.9 pcf to about 2.2 pcf.

24. The laminate composition of Claim 23 wherein the polyethylene foam sheet has a thickness of about 0.075 inch.

25. The laminate composition of Claim 15 wherein a tape, which contains a first adhesive layer on one side thereof and a second adhesive layer on the other side thereof, and a removable layer being on the first

adhesive layer, is adhered by means of the second adhesive layer to the surface of the extended edge of the film which faces the foam sheet.

26. A process of preparing a laminate composition, comprising bringing together a moving continuous web of a thin sheet of polyethylene foam and a moving continuous web of a thin film of polyethylene, one edge of the web of polyethylene film extending beyond the corresponding edge of the polyethylene foam sheet, an adhesive being applied to the facing surfaces of the moving webs at or near the point of contact between the moving webs, sufficient pressure being applied by two opposing rollers to the contacting webs at the point of contact of the moving webs to achieve the laminate composition.

27. The process of Claim 26 wherein the moving continuous web of thin polyethylene foam sheet is formed by extrusion, passed through at least one oven, and, while being at a temperature between 350°F and 500°F, brought into contact with the moving continuous web of thin polyethylene film, and wherein the rollers are chilling rollers.

28. The process of Claim 27 wherein the moving continuous webs move downward and, before contacting each other, are oriented at opposing slight angles to the vertical, and wherein the adhesive is in a liquid form and is dropped into the point of contact of the moving webs.

29. The process of Claim 28 wherein the liquid adhesive is molten low density polyethylene, wherein the web of polyethylene foam sheet is composed of low density polyethylene, and wherein the web of polyethylene film is composed of low density polyethylene.

30. The process of Claim 26 wherein a tape, which has a first adhesive layer on one side thereof and a second adhesive layer on the other side thereof, and a removable layer being on the first adhesive layer, is adhered by means of the second adhesive layer to the surface of the extended edge of the film which faces the foam sheet.

31. A flooring comprising a concrete subflooring, a laminate of a thin sheet of polyethylene foam and a thin film of polyethylene, and a laminate wood flooring, the polyethylene film being in contact with the concrete subflooring or the laminate wood flooring, and the polyethylene foam sheet being in contact with the laminate wood flooring or the concrete subflooring, respectively.

32. The flooring of Claim 31 wherein the polyethylene film and the polyethylene foam sheet are adhered together.

33. The flooring of Claim 32 wherein the polyethylene film is composed of low density polyethylene, the polyethylene foam sheet is composed of low density polyethylene, and the polyethylene film and the polyethylene foam sheet are adhered together by a layer of low density polyethylene.

34. The flooring of Claim 33 wherein the polyethylene foam sheet has a density of about 1.9 pcf to about 2.2 pcf.

35. The flooring of Claim 31 wherein the polyethylene film is comprised of low density polyethylene.

36. The flooring of Claim 35 wherein the polyethylene film has a thickness of about 5 mils.

37. The flooring of Claim 31 wherein the polyethylene foam sheet is composed of low density polyethylene.

38. The flooring of Claim 37 wherein the polyethylene foam sheet has a low density.

39. The flooring of Claim 37 wherein the polyethylene foam sheet has a density of about 1.9 pcf to about 2.2 pcf.

40. The flooring of Claim 39 wherein the polyethylene foam sheet has a thickness of about 0.075 inch.

41. The flooring of Claim 31 wherein the laminate composition is in the form of at least two strips, for each strip, the edge of one side of the polyethylene film extends beyond the edge of the corresponding side of the polyethylene foam sheet, the edge portion of the opposite side of the adjacent strip overlying the extended portion of the polyethylene film of the strip.

42. The flooring of Claim 41 wherein the laminate wood flooring is in plank form, the planks fitting together in a tongue-in-groove arrangement and being glued together.

43. The flooring of Claim 41 wherein a tape is located between the edge portion of the opposite side of the adjacent strip and the extended portion of the film of the strip, the tape having a first adhesive layer on one side thereof and a second adhesive layer on the other side thereof, the first adhesive layer being adhered to the surface of the extended portion of the film of the strip which faces the foam strip thereof and the second adhesive layer being adhered to the surface of the edge portion of the adjacent strip which overlies the extended portion of the film of the strip.

44. A process comprising placing a laminate composition on a concrete subflooring, the laminate composition being a laminate of a thin film of polyethylene adhered to a thin sheet of polyethylene foam, the polyethylene film or the polyethylene foam sheet being in contact with the concrete subflooring, and placing a laminated wood flooring on the laminate composition.

45. A flooring comprising a concrete subflooring, a preexisting floor on the concrete subflooring, a laminate of a thin sheet of polyethylene foam and a thin film of polyethylene, and a laminate wood flooring, the polyethylene film being in contact with the preexisting flooring or the laminate wood flooring, and the polyethylene foam sheet being in contact with the laminate wood flooring or the preexisting flooring, respectively.

46. A process comprising placing a laminate composition on a preexisting floor on a concrete subflooring, the laminate composition being a laminate of a thin film of polyethylene adhered to a thin sheet of polyethylene foam, the polyethylene foam sheet or the polyethylene film being in contact with the preexisting flooring, and placing a laminated wood flooring on the laminate composition.